



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08318672 A**(43) Date of publication of application: **03.12.96**

(51) Int. Cl. **B41M 5/00**
B32B 27/00
D21H 19/50
D21H 19/10

(21) Application number: **08068036**(22) Date of filing: **25.03.96**(30) Priority: **23.03.95 JP 07 64334**(71) Applicant: **KONICA CORP**

(72) Inventor: **TSUCHIYA ICHIRO**
KAMIMURA HIROYUKI
KURATA NORIAKI

(54) **INK JET RECORDING SHEET AND RECORDING METHOD**

COPYRIGHT: (C)1996,JPO

(57) Abstract:

PURPOSE: To provide a recording sheet excellent in ink fixing properties immediately after printing, short in drying and fixing time and forming an image excellent in resolving power and uniformity by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer provided on the base material.

CONSTITUTION: An ink jet recording sheet is obtained by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer on the base material. The cationic water-soluble polymer is a polymer having a quaternary ammonium group represented by formulae I, II, III. In the formula I, R¹ is a hydrogen atom or a methyl group, Q is an oxygen atom or -NH-, R², R³ and R⁴ are a methyl group or an ethyl group, X⁻ is a halogen ion and n is 2 or 3. In the formula II, R⁵, R⁶ and R⁷ are a methyl group or an ethyl group and, in the formula III, R⁸, R⁹ and R¹⁰ are a methyl group or an ethyl group.

